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1 INTRODUCTION

1.1 PROJECT DESCRIPTION

The Airports Company South Africa (ACSA) proposes the develop Ground Equipment Support Workshop. There are two existing apron handler called Bidair and Menzies are leased in the General Aviation Area and used as workshops for repairing and maintaining apron handling equipment. The management of ACSA Airside and Safety management team have determined that these buildings are in a dilapidated state and pose a risk. To address the risks identified, the management team identified the need for new buildings to be built within the General Aviation Area (Figure 1-1).

It is understood that the construction of the GSE Workshops will entail the following:

- Three (3) identical buildings with an office and storage component – with six (6) bays of workshops including 1 bay for spray painting;
 - It is anticipated that should the need arise; three complexes could be expanded in a modular fashion; and
 - All complexes are designed to accommodate the vehicles required to service Airbus A380, which is largest of its kind planned to be used at the Cape Town International Airport.
- The complexes will be accessed through the existing road and through automated gates.
- Parking bays for staff and visitors;
- Main office;
- Simple mono-pitch buildings with brick cavity walls up to 2.5m high for side of the buildings.

Building specifications are as follow:

- Workshops will consist of 5 bays of 6m in width and 20m in length;
- One of the workshops will have an inspection pit and additional bay for spray painting;
- Height of the doors will have a full clearance of 6.5m and internal roof to allow for 8m extension of the staircases; and
- All bays will be provided with three (3) Phase power and lighting to 200 lux at the workbench level.

Supporting structure anticipated include:

- Hard surfaced yards;
- Wash bay;
- Access road; and
- A bund for diesel refuelling tanks.

The Environmental Control Officer (ECO) is required to report on the compliance of the proponent and/or contractor in terms of the Environmental Specification or Environmental Management Programme (EMPr), and prescribed licences and permit. ACSA have appointed Coastal & Environmental Services (CES) as the ECO to manage environmental monitoring for the construction of the GSE Workshops.



The EMPr and associated permits, licences and authorisations issued specify monitoring and reporting requirements for the construction of the Ground Support Equipment (GSE) workshops and associated infrastructure.

The ACSA prescribed the Environmental Work Instruction that form an EMPr and specified the following requirements for the activity:

- ## GSE Workshop – ACSA CTIA



The report must provide comment on compliance with the project's Environmental Management Programme (EMPr.).

1.2.2 On-site compliance monitoring

The inception compliance monitoring site visit was conducted on 27 February 2020. The participants were:

- Ms Amber Jackson – CES
- Mr Zweli Nkosi – CES
- Mr Dale Lewis – Grinaker-LTA

The ongoing site inspections will largely be undertaken by Zweli Nkosi.

1.2.3 Programme

Bi-Monthly site compliance monitoring will occur during the construction phase, as well as a site visit within 30 days of site closure.

Report name	Proposed date of site visit	Actual date of site visit	Date of report submission
Pre-Construction site compliance monitoring # 1	27 February 2020	27 February 2020	13 March 2020
Compliance Monitoring Report # 1b	18 March 2020	March 2020	
Compliance Monitoring Report # 2a			
Compliance Monitoring Report # 2b			
Compliance Monitoring Report # 3a			
Compliance Monitoring Report # 3b			
Compliance Monitoring Report # 4a			
Compliance Monitoring Report # 4b			
Compliance Monitoring Report # 5a			
Compliance Monitoring Report # 5b			
Compliance Monitoring Report # 6a			
Compliance Monitoring Report # 6b			
Compliance Monitoring Report # 7a			
Compliance Monitoring Report # 7b			
Compliance Monitoring Report # 8a			
Compliance Monitoring Report # 8b			
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Compliance Monitoring Report # 11a			
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Compliance Monitoring Report # 12a			
Compliance Monitoring Report # 12b			
Compliance Monitoring Report # 13a			
Compliance Monitoring Report # 13b			
Compliance Monitoring Report # 14a			
Compliance Monitoring Report # 14b			
Compliance Monitoring Report # 15a			
Compliance Monitoring Report # 15b			
Compliance Monitoring Report # 16a			
Compliance Monitoring Report # 16b			
Compliance Monitoring Report # 17a			
Compliance Monitoring Report # 17b			



2 COMPLIANCE WITH THE EMPR

2.1 COMPLIANCE CHECKLIST

The following compliance checklist was generated from the draft EMPr. Photographs of the site have been included.

The designated rating system to be utilised to check the compliance status during the monitoring process has been described in the table as follows:

Status	Description
YES	Means the activity is being/was carried out in a manner that is compliant with the EMPr specifications.
NO	Means the methods used during a specific activity are not compliant with EMPr specifications and other relevant licences and permits. The non-compliance may be described as a MINOR or MAJOR non-compliance depending on the severity of the transgression. NOTE: Repeated failure to address minor non-compliances can lead to a major non-compliance.
N/A	Means "Not Applicable" and may refer to the redundancy of the compliance item or the item may not be relevant at the specific stage of the development. The item may only be relevant at a later stage.

The development of the compliance checklist took into consideration the prescribed *environmental particular specifications (EP)*, and are defined as those specification that cover activities that are not sufficiently covered in the standardised SABS 1200 specification series for engineering contractors or where the specification is adequately detailed to make it inappropriate for inclusion as a variation or addition to a standardised specification.

The following evidence-based approach will be utilised for the duration of the compliance monitoring activities:

- **Inspection** of relevant records or documents - consists of examining records or documents, whether internal or external, in paper form, electronic form, or other media.
- **Inspection** of assets - consists of physical examination of the assets or mitigation methods.
- **Observation** – consists of looking at a process or procedure being performed by others.
- **Inquiry** – consists of seeking information from knowledgeable persons inside or outside the entity.
- **Confirmation** - which is a specific type of inquiry, is the process of obtaining a representation of information or of an existing condition directly from a third party.
- **Recalculation** - consists of checking the mathematical accuracy of documents or records.



2.2 SITE CAMP ESTABLISHMENT

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
19	The Contractor must provide water and/or washing facilities at the camp site for personnel.	YES	It was observed during the site visit that the contractor was in the process of establishing the site.	This condition has been addressed in the ablutions (Section 2.3)
	The Contractor must submit a Method Statement for this Site Camp placement 5 (five) working days before establishing the Site Camp	YES	The contractor has submitted a draft method statement for Site Establishment Services	
	The Contractor must fence off or visually screen the site camp and ensure that staff other than security personnel must be housed on site.	YES	It was observed during the site visit that no personnel were being housed on site	ECO to confirm with contractor about the security post and time schedules on site
	The Contractors Camp and Materials Storage Area must be kept neat and tidy and free of litter and ensure the camp site complies with the Occupational Health and Safety Act	YES	It was observed during the site visit that no litter resulting from contractor's activities occurred on site	The contractor was still in the process of site establishment and is advised to ensure that materials are appropriately stored and do not compromise the health and safety of the staff and public as well as not compromise the receiving environment

2.3 ABLUTION FACILITIES

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
21	The contractor shall provide the necessary ablution facilities for all his personnel.	N/A		The contractor is still in the process of establishing the site and this condition will be checked once the structures have been put in place.
	Toilet with chemical disinfectants must be provided, with a minimum of one toilet per 15 persons.	N/A		
	Toilets must be easily accessible and transportable. They must be secured to prevent them from blowing over and provided with an external closing mechanism to protect the toilet paper from being blown.	N/A		
	Toilet paper dispensers must be provided in all toilets. Toilets must be cleaned and serviced regularly, and the must be emptied before long weekends and locked after working hours.	N/A		
	The contractor shall ensure that chemicals and/or waste from toilet cleaning operations are not spilled on the ground at any time.	N/A		
	The Contractor must ensure that chemicals and/or waste from toilet-cleaning operations are not spilled on the ground at any time. All spills must be cleared up immediately by the Contractor who hired the toilet. Contaminated soils due to spills must be removed and	N/A	It was observed during the pre-construction site visit that no chemical toilets have been introduced on site	



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	stored in a skip and disposed of at an approved dumpsite.			
22	Collected waste must be secured before transported to an appropriate waste facility. This will be the responsibility of the service provider.	N/A	It was observed during the site visit that no waste material has been generated at this stage.	The ECO will enforce this condition once the construction activities commence
	Abluting anywhere other than in the toilets will not be permitted. Use of other areas within the site for ablution purposes and/or disposal of chemicals and/or waste, will result in the Contractor being given a spot fine (by the ECO). The Contractor will also be responsible for cleaning up any waste deposited by his personnel. Pit latrines must not be used.	N/A	It was observed during the site visit that no act of abluting has occurred anywhere	This condition will be considered once the ablutions have been established on site

2.4 DUST CONTROL

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
EP4.11	Contractor shall control dust arising from his/her operations by water spraying bare areas, rotating straw bales into the soil surface and allowing for dust producing activities for when wind velocity is low and overhead sprayers shall not be used when it's windy.	MINOR	It was observed during the site visit that no provision was put in place to control dust generated during site clearing activities.	It was noted that this activity was undertaken on a windy day and ECO recommends that clearing is limited to less windy days. Alternatively, dust suppression measures must be in place to comply, these may include water sprinkling with water trucks
16	Contractor shall inform Responsible Person 2 days earlier of unavoidable dust generating activities and that person may inform adjacent land-users and neighbours about the possibility of dust pollution, and estimated duration of the problem.	YES		This condition was not practically measured as the dust generated was mostly due to wind speed more than the type of activity undertaken
	Wind and dust conditions must be reported to the ECO in his/her absence.	YES		No construction activities have commenced on site and this condition has not been infringed. However, the ECO recommends that the contractor keeps a register to record windy and dusty days
16	Soil stockpiles must be in sheltered areas where they are not exposed to the erosive effects of the wind and where it will cause minimal disturbance. Contractor must ensure that stockpiles are managed to prevent the material from being spread over a wide surface, to prevent erosion and compaction of the stockpiles and prevent it from being washed away in the event of heavy rains.	YES	It was observed during the site visit that no stockpiles occurred on site	
	Contractor must ensure that vehicle speeds do not exceed 40km/h on demarcated construction roads on	YES	It was observed during previous site inspections that the existing road next to the	



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	the site or 20km/h when traversing unconsolidated areas Disturbance of the substrate must be done only when it is necessary and exposed surfaces should be stabilised immediately.		construction camp is tarred and designed with speed humps that will encourage slow driving	
		YES	It was observed during the site visit that clearing occurred only within the construction reserve.	

2.5 FIRE PRECAUTIONS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
24	fire-fighting equipment must be immediately available in areas where work involves welding, gas cutting or cutting of metal. These works must only be carried out in designated areas.	N/A		
	Contractors must appoint a member of their staff to be responsible for the installation and inspection of fire extinguishers. A map showing location of all the fire extinguishers must be provided and they must be visible.	N/A		No evidence of firefighting was observed during the pre-construction site visit.
25	The Contractor must ensure that all staff undergo training on the use of a fire extinguisher when needed. All fire extinguishers must be inspected on a monthly basis in line with procedure detailed in the EMPr to ensure that the devices will work properly if needed.	N/A		This condition will be applicable as soon as the construction activities commence on site.

2.6 DEMARCATION OF EATING AREAS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Eating areas must be restricted to the site offices and contractors' camp	N/A		This condition will be applicable once site establishment has been finalised by contractor
20	If employees are to eat elsewhere on the site, the contractors must, in consultation with the ECO, designate places for eating in the working areas, and must provide adequate water for washing, toilets and refuse bins at all these places, which should be cleaned on a daily basis.	N/A		This condition will be applicable once site establishment has been finalised by contractor



2.7 FOOTPRINT AND DEFACEMENT OF NATURAL FEATURES

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
x	The construction must be kept within the construction reserve to limit disturbance.	YES	The site boundaries and footprint are known to both the ECO and the contractor. It was observed during the site visit that initial clearance was undertaken within the construction reserve and no inappropriate clearing was noted during the site visit.	
	Defacement of any features outside the construction site shall not take place without a written permission from the Responsible Person. Defaced features shall be restored to the satisfaction of the Responsible Person.	N/A		No construction activity outside the construction reserve was observed during the site visit.

2.8 HEALTH AND SAFETY

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
24	Contractors must ensure that there is an emergency advisory procedure on site before commencing any operations that may endanger the lives of any personnel on site, or cause damage to the environment	YES	Grinaker is an appointed professional services provider and entrusted with providing a healthy and safety environment for the staff and the surrounding neighbours to the site	The documentation of procedures must be submitted to the ECO for inspection and consideration to ensure compliance.
	Contractors must provide and maintain a suitable first aid kit on the site and must ensure that a qualified first aid practitioner is present during working hours, in accordance with the Occupational Health and Safety Act (85 of 1993). Staff must be trained and ensured that they can use the first aid kit emergency procedures with incidents.	YES		
	Contract must ensure that lists of all emergency numbers and contact people are regularly updated, and that numbers and names are always posted at relevant locations. Personnel must become familiar with all emergency procedures to be followed.	YES		
	Prominently and strategically displayed signage can inform potential criminals that contractors, commercial businesses and police are working jointly to reduce crimes. Local police and ambulance contact details must be kept on site and displayed	YES		



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
26	Safety on site Contractors must follow the guidelines of the Occupational Health and Safety Act (85 of 1993). Contractor must ensure that all necessary PPE is provided to staff and personnel on site. These may include, but not limited to: • Hard hats; • Protective gloves; • Approved safety shoes or safety boots; • Safety goggles; and • Hearing protection. The areas where the above PPE should be appropriately marked using a standard National Occupational Safety Association (NOSA) pictogram.	YES		Provision of PPE to staff and visitors will be confirmed with the site manager and site monitoring visits

2.9 MATERIALS MANAGEMENT

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
17	Contractors must identify fuels and hazardous substances to be stored on the site and must ensure that they know the effects of these substances on their staff and the environment. A copy of a fuels and hazardous substance inventory must be supplied to the ECO by the contractors. Contractors must ensure that the quantities of fuels and chemicals on site are appropriate to the requirements and are stored and handled to avoid the risk of spillage. All fuels, oils and chemicals must be confined to specific and secured areas, approved by the ECO. These materials must be stored in an area with a concrete or other impervious base, which is adequately bunded. The volume of the bund must be two times the volume of the containers stored.	N/A	It was observed during the site visit that no hazardous substances were stored on site at this stage.	ECO recommends that an MSDS file be kept on site and up to date to ensure compliance
17,18	Gas and fuel should not be stored in the same storage area, and any generators used on the site should also be placed on a bunded surface. The hazardous fuel storage area needs to be located away from the gas and oil pipelines.	N/A		No gases and fuels were observed during the site visit.
18	Contractors will be responsible for ensuring that any party delivering fuels or chemicals to the site is aware of the appropriate storage/drop-off locations.	N/A	Grinaker is a responsible services provider and contractor. It was confirmed through document	No deliveries have been reported at this stage.



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Contractors and any relevant personnel responsible for the delivery of fuels or chemicals to the site must also be aware of the correct procedures and environmental requirements with respect to storage and drop-off locations of fuel.		inspection provided by site manager that the laydown area form part of the design.	
	Method statement will be requested by the ECO for the location and management of liquid fuel stores should it be required.	N/A		Method statement will be requested by the ECO for the location and management of liquid fuel stores should it be required
	Equipment and machinery must be maintained in good working order and all broken and leaking machinery must be fixed.	N/A		
	Contractor must make use of water-tight drip trays to contain and prevent spills from machinery leaking equipment.	N/A		
	Materials collected in these drip trays must be collected and disposed of off-site at an approved waste disposal site	N/A		
21	Vehicles and equipment must always be maintained in a good condition in order to minimise the risk of leakage and possible contamination of the soil, groundwater, surface water and/or storm water by fuels, oils and hydraulic fluids.	N/A		No work has commenced on site and this condition will be monitored through the construction period.
24	Contractor must set up a procedure for dealing with spills and must be approved by the PM and ECO and must include a provision to notify the PM of any spill	N/A		
	The treatment of the contaminated soil and the areas of contamination must be undertaken to the satisfaction of the ECO and RE.	N/A		

2.10 HOUSEKEEPING

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	The construction site and its facilities must always be shaded and kept neat to minimise the visual impacts	YES	It was observed during the site visit that the introduced site establishment equipment and material did not cause a negative visual intrusion	
x	Maintenance and overall appearance of the camp infrastructure, vehicles, fencing and facilities are to be inspected once weekly by the project manager, in order to ascertain any problem regions. Directives to repair and/or improve problematic aspects are to be issued weekly at site meetings and to be implemented within a	YES		It was noted during the site visit no camp infrastructure was in disrepair.



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	week following the directive, by the applicable contractor(s).			

2.11 NO-GO AREAS AND WORKING AREAS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
20	The Contractor must ensure that all plant, labour and materials remain within the boundaries of the working areas.	YES	It was observed during the site visit that no work was underway beyond the construction reserve.	The contractor has provided the site layout plan and boundaries and footprint for activities is clearly indicated.
	Access must be restricted to development footprints only, with no disturbance of areas outside the development footprints allowed.	YES	No disturbance of areas outside the site boundary was observed during the site visit.	
	Contractor must ensure that there is no unauthorised entry into No-Go Areas	YES	It was observed during the site visit that no work was underway beyond the construction reserve.	
	Contractor must also ensure that no dumping, stockpiling, storage of equipment or spillage of construction material occurs on the no go areas	YES	No dumping, stockpiling and storage of equipment was observed during the site visit.	
	The danger tape and wooden pegs (demarcating the no-go areas) must be maintained by the contractor through construction phase.	YES	It was observed during the site visit that wooden pegs were used on construction site for demarcations	

2.12 NOISE CONTROL

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
16	The Contractor must take all reasonable precautions to minimise noise generated on site as a result his/her operation especially when working in areas that may impact the adjacent land-users.	N/A	No noise generating activities were observed during the site visit.	It must be noted that the construction activities occur within ACSA properties and Airport industrial area and the noise generated in this area will not cause an undesirable disturbance.
	Noise generating activities like heavy vehicle movement, workshops, etc. must be controlled and monitored by the contractor. Ensure these activities are undertaken in terms of Section 25 of the noise control regulation of the ECA: (Act 37 of 1989) and compliant with Western Cape Noise Control Regulations, 2013 (Provincial Notice 200/2013)	N/A		
	Contractor must inform Responsible Person 2 days earlier of "unavoidable" noise-generating activities and	N/A		



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	that person may inform adjacent land-users and neighbours about the possibility of noise pollution, and estimated duration of the problem. Contractors must restrict working hours for construction activities to: 06:30 – 18:30 on weekdays (excluding public holidays); and 07:00 – 14:00 on Saturdays (excluding public holidays).			
17	Failure to comply with Noise conditions or to the satisfaction of the PM and ECO will result in incurring penalty costs between R100 and R1000	YES	Site inspection are conducted during the day. Evidence of this condition can be confirmed paper inspection of operating hours obtained from the Contractor	The contractor has not confirmed any work night work. ECO to request construction operating hours
		N/A		It must be noted that the construction activities occur within ACSA properties and Airport industrial area and the noise generated in this area will not cause an undesirable disturbance.

2.13 MEASURES FOR BATCHING AND MIXING AREAS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Contaminated water must either be removed from site or, with the approval of the ECO and the Local Authority, be disposed of into the local sewage system. Where possible, contaminated water should be recycled back into the batching process.	N/A	No contamination was observed during the site visit	Construction activities have not commenced on site and this condition will be monitored on subsequent visits
	Locations for mixing areas in the site camp are to be approved by the Project Manager/Engineer and the ECO. Cement must be mixed on mixing trays that prevent runoff and spillage. No mixing will be allowed directly on the ground's surface.	N/A	It was observed during the site visit that no mixing has been done.	
21	Used cement bags are to be stored in a wind and rainproof container for disposal. Used bags are to be removed from site on a regular basis and under no circumstances burned as a method of disposal.	N/A	It was observed during the site visit that no hazardous waste has been produced on site	
	Cement contaminated equipment is to be washed so that contaminated water does not enter stormwater, groundwater, drainage lines, streams/rivers or dams.	N/A	It was observed during the site visit that no hazardous waste has been produced on site yet	
	Contaminated soil resulting from a cement or concrete spill is to be removed or rehabilitated at the cost of the Contractor and to the satisfaction of the Project Manager/Engineer and the ECO.	N/A	It was observed during the site visit that no hazardous waste has been produced on site and no contamination was observed.	



2.14 ACCESS AND ROAD SIGNS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
23	Enough access to various establishments, road intersections, main roads and residential areas must not be disturbed, and alternative access must be considered at these various routes.	YES	It was observed during the site visit that the Old Tower road is the only road used to access the site but did not appear to be very busy during the pre-construction site visit	The contractor has provided the site layout plan with all planned roads.

2.15 SPILLS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
18	In the event of soil contamination cause by spillage of fuel or other pollutants, the source of the spillage must be isolated, and the spillage must be contained. Contaminated soil must also be removed or in the case of a larger spill, an absorbent material must be applied. All pollution incidents and spills must be immediately reported to the RE and ECO and the contaminated surface such as water and soil must be prevented by contractor.	N/A	No spills were observed during the site visit.	Construction work had not commenced during the site visit.
		N/A		Construction work had not commenced during the site visit.

2.16 STORM-WATER MANAGEMENT

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
22	Contractors must take reasonable measures to prevent erosion resulting from a diversion, restriction or increase in the flow of stormwater caused by the presence of their works, operations and activities, all to the satisfaction of the ECO. Stormwater collected in banded areas containing oils, fuels, chemicals or other potentially polluting substances must be pumped out of the bund, collected in a suitable container and removed from the site for appropriate disposal.	YES	The stormwater system is designed to ensure that water flow across the road surface is minimised, and that the velocity of water is attenuated before discharge onto the side of the road (to prevent erosion). These are standard design measures that have been used on the project.	
	Stormwater should also be directed into attenuation ponds wherever possible. Stormwater that has been	N/A		
23		YES	The stormwater system is designed to ensure that water flow across the road surface is	



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	spoiled with silt and or suspended solids may not be released back into the natural stormwater system.		minimised, and that the velocity of water is attenuated before discharge onto the side of the road (to prevent erosion). These are standard design measures that have been used on the project.	
	Contractors must provide adequate control measures to prevent stormwater damage and erosion during construction	YES	The stormwater system is designed to ensure that water flow across the road surface is minimised, and that the velocity of water is attenuated before discharge onto the side of the road (to prevent erosion). These are standard design measures that have been used on the project.	
	All methods of stormwater control during the construction phase are to be agreed and approved by the PM and ECO	YES	The stormwater system is designed to ensure that water flow across the road surface is minimised, and that the velocity of water is attenuated before discharge onto the side of the road (to prevent erosion). These are standard design measures that have been used on the project.	

2.17 CLEANLINESS OF PUBLIC ROADS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Contractors must ensure that construction vehicles are not overloaded so as not to spill construction or excavated material onto public roads.	YES	This condition is monitored by the safety officer	
23	Contractors must provide a washing system for cleaning the wheels of vehicles moving off-site and must ensure that this is utilised as required. This must be done in a manner which does not contaminate soil and must be done in consultation with the ECO. The wheels of vehicles that are driven in any hazardous substances may not be washed directly onto the ground.	YES	No evidence of inappropriate washing was observed during the compliance monitoring.	No evidence of inappropriate washing was observed during the compliance monitoring.



2.18 CLEARING AND STABILISATION

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
20	Clearing must only be undertaken in areas earmarked for development (working areas). Areas which will be left cleared for longer than one month must be stabilised with straw. No burning or burying of any plant material is permitted on site.	YES	It was observed during the site visit that clearing only occurred within construction reserve.	

2.19 TRAFFIC CONTROL AND SAFETY

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
23	Traffic control and safety must be done in accordance with the South African Traffic Safety Manual, with the relevant signs, flagmen and barriers being provided where relevant and at the various access points.	YES		Grinaker have vast experience with projects of this nature, and have Standard Operating Procedures relating to traffic management.
	Traffic control must be done in co-operation with local traffic officials. All laws and regulations applicable on the public road system are enforceable on the construction site.	YES		Grinaker have vast experience with projects of this nature, and have Standard Operating Procedures relating to traffic management.

2.20 REFUSE STORAGE AND DISPOSAL

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
19	Contractor must make use of the recommended skips and bins and they shall be provided with lids and external closing mechanism to prevent their contents from blowing out.	N/A		It was observed during the site visit that site establishment was underway. It is anticipated that general and hazardous waste management practices will be put in place to comply with the EMPr
	Bins shall be strictly be used for purposes of waste collection and be emptied regularly.	N/A		
	Refuse must be separated into suitable categories and re-cycled	N/A		
	Contractor shall ensure that all waste is deposited by employees in the waste bins for removal by the Contractor	N/A		



Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Contractors must identify a permitted refuse disposal site for various categories of waste and provide documentary proof to the PM and ECO of the type and volume of waste to be disposed of	N/A		Contractor to indicate a selected disposal facility for waste that will be generated during the construction period.
	The Contractors must provide workers to clean up the site daily and the general cleanliness of the site must form part of the site inspections undertaken by the ECO.	N/A		It was observed during the site visit that site establishment was underway. It is anticipated that general and hazardous waste management practices will be put in place to comply with the EMPr

2.21 WASTE – HAZARDOUS

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
	Disposal of hazardous substances such as materials collected from drip trays must be disposed of at a hazardous waste disposal site approved by the RE and ECO.	N/A		It was observed during the site visit that site establishment was underway. It is anticipated that hazardous waste management practices will be put in place to comply with the EMPr
	For each hazardous waste type, create an MSDS that is always available to accompany the waste to its point of disposal	N/A		It was observed during the site visit that site establishment was underway. It is anticipated that hazardous waste management practices will be put in place to comply with the EMPr. The ECO recommends that an MSDS file to note all records of hazardous waste produced.
18	Contractors handling, treating and disposing of hazardous waste must be reputable and legitimate enterprises, licensed by the relevant regulatory authority and following good industry practice for waste handling and disposal ensuring compliance with applicable regulations. ECO must be consulted about, and agree to, the method of storage and disposal of hazardous waste. Littering and other mishandling of waste materials will result in issuing of spot fines and non-compliance statuses.	N/A		It was observed during the site visit that site establishment was underway. It is anticipated that hazardous waste management practices will be put in place to comply with the EMPr
		N/A		
		YES	It was observed during the site visit that no littering or inappropriate disposal has taken place	



2.22 WASTE - WATER

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
22	Wastewater from washing facilities must be discharged into the existing sewage system	N/A		ECO to confirm with contractor and RE whether wastewater will be serviced by an appointed contractor or will be connected to the municipal services
	Any alternative means of disposal of wastewater from washing facilities, other than discharging it into the sewer system, must be submitted to the ECO for approval.	N/A		ECO to confirm with contractor and RE whether wastewater will be serviced by an appointed contractor or will be connected to the municipal services

2.23 PROVISION OF WATER

Condition No. EMPr	Condition	Compliance Status	Compliance Evidence	Comments
22	Contractors must provide construction water, water required for dust control, drinking and washing water, or removed from the site by the contractors should the existing services be unavailable.	YES		It was confirmed with the contractor that construction water will be sourced from municipal services. However, the possibility of using boreholes was still under discussion. ECO to confirm outcome from the site manager and RE
	Contractors must provide washing facilities for all staff.	YES		This condition has been addressed adequately under provision of ablutions (Section 2.3).



2.24 SITE PHOTOGRAPHS

The following photographs show some of the observations made during the site visit on the 27th February 2020.



Site office being established out the site fence and adjacent to road



Photos showing site clearing underway



General photos showing the vegetation of the site



Photo showing habitat of mouse or rat populations on site

2.25 INCIDENT REPORTING

No incidents were reported or noted during the pre-construction site visit.



3 CONCLUSIONS & RECOMMENDATIONS

3.1 OBJECTIVES

The objectives set for the Environmental Compliance Monitoring Report were to monitor and determine compliance with the EMPr. In order to achieve this, a checklist was derived from the document and was used to assess construction compliance (see Chapter 2).

3.2 NON-COMPLIANCES FROM THE PREVIOUS SITE COMPLIANCE MONITORING

The following non-compliances were identified during previous site observations:

#	Major or minor	Description	Date occurred	Correction methodology	Date corrected

3.3 NON-COMPLIANCES FROM THE CURRENT SITE COMPLIANCE MONITORING

One minor non-compliance was noted during the pre-construction site visit conducted on the 27th of February 2020.

#	Major or minor	Description	Date occurred	Correction methodology	Date corrected
1	Minor	It was observed during the site visit that no provision was put in place to control dust that generated during site clearing activities, it was noted that this activity was undertaken on a windy day	27 Feb 2020	ECO recommends that clearing is limited to less windy days. Dust suppression measures must be in place to comply, these may include water sprinkling with water trucks	

3.4 GENERAL OBSERVATIONS

The following general observations and but should be kept in mind by the contractor:

- All method statements must be provided to the ECO prior to construction activity taking place onsite.
- It was observed during the site visit that the contractor was in the process of initiating a site clearing.
- A services scan was being conducted to determine and establish whether there are underground services that may be affected on site during construction phase.
- Environmental induction training must take place throughout the construction phase.
- The site was largely modified and disturbed with pockets of fynbos find disconnected across the site.
- While site clearing was underway during a windy period, no suppression measures were in place.